

MASTER CONTRACT

No. 00418

HVAC FILTERS

For Use by Eligible Purchasers

By and Between

**STATE OF WASHINGTON
DEPARTMENT OF ENTERPRISE SERVICES**

and

TOTAL FILTRATION SERVICES, INC.

Dated June 15, 2019

MASTER CONTRACT

No. 00418

HVAC FILTERS

This Master Contract ("Master Contract") is made and entered into by and between the State of Washington acting by and through the Department of Enterprise Services, a Washington State governmental agency ("Enterprise Services") and Total Filtration Services, Inc., an Ohio corporation ("Contractor") and is effective as of June 15, 2019.

RECITALS

- A. Pursuant to Legislative direction codified in RCW chapter 39.26, Enterprise Services, on behalf of the State of Washington, is authorized to develop, solicit, and establish master contracts for goods and/or services for general use by Washington state agencies and certain other entities (eligible purchasers).
- B. On behalf of the State of Washington, Enterprise Services, as part of a competitive governmental procurement, issued Competitive Solicitation No. 00418 dated March 13, 2019 regarding HVAC Parts, Filters, and Services.
- C. Enterprise Services evaluated all responses to the Competitive Solicitation and identified Contractor as the apparent successful bidder for the filters category.
- D. Enterprise Services has determined that entering into this Master Contract will meet the identified needs and be in the best interest of the State of Washington.
- E. The purpose of this Master Contract is to enable eligible purchasers to purchase the goods as set forth herein.

AGREEMENT

NOW THEREFORE, in consideration of the mutual promises, covenants, and conditions set forth herein, the parties hereto hereby agree as follows:

- 1. **TERM.** The term of this Master Contract is seventy-two (72) months, commencing June 15, 2019 and ending June 14, 2025.
- 2. **ELIGIBLE PURCHASERS.** This Master Contract may be utilized by any of the following types of entities ("Purchaser"):
 - 2.1. **WASHINGTON STATE AGENCIES.** This Master Contract may be utilized by:
 - Washington state agencies, departments, offices, divisions, boards, and commission; and
 - Any the following institutions of higher education: state universities, regional universities, state college, community colleges, and technical colleges.
 - 2.2. **WASHINGTON STATE INSTITUTIONS OF HIGHER EDUCATION.** Any of the following specific institutions of higher education in Washington:
 - State universities – i.e., University of Washington & Washington State University;

- Regional universities – i.e., Central Washington University, Eastern Washington University & Western Washington University;
 - Evergreen State College;
 - Community colleges; and
 - Technical colleges.
- 2.3. **MCUA PARTIES.** This Master Contract also may be utilized by any of the following types of entities that have executed a Master Contract Usage Agreement with Enterprise Services:
- Political subdivisions (e.g., counties, cities, school districts, public utility districts);
 - Federal governmental agencies or entities;
 - Public-benefit nonprofit corporations (i.e., § 501(c)(3) nonprofit corporations that receive federal, state, or local funding); and
 - Federally-recognized Indian Tribes located in the State of Washington.
- 2.4. **ORCPP.** The Master Contract also will be available for use by the Oregon Cooperative Purchasing Program (ORCPP).

3. SCOPE – INCLUDED GOODS AND PRICE.

- 3.1. **CONTRACT SCOPE.** Pursuant to this Master Contract, Contractor is authorized to sell only those goods set forth in *Exhibit A – Included Goods/Specifications* for the prices set forth in *Exhibit B – Prices for Goods*. Contractor shall not represent to any Purchaser under this Master Contract that Contractor has contractual authority to sell any goods beyond those set forth in *Exhibit A – Included Goods/Specifications*.
- 3.2. **STATE'S ABILITY TO MODIFY SCOPE OF MASTER CONTRACT.** Subject to mutual agreement between the parties, Enterprise Services reserves the right to modify the goods included in this Master Contract; *Provided*, however, that any such modification shall be effective only upon thirty (30) days advance written notice; and *Provided further*, that any such modification must be within the scope of this Master Contract.
- 3.3. **PRICE CEILING.** Although Contractor may offer higher percentage discounts to Purchasers during the term of this Master Contract, Contractor guarantees to provide the goods at no less than the percentage discount set forth in *Exhibit B – Prices for Goods*.
- 3.4. **MASTER CONTRACT INFORMATION.** Enterprise Services shall maintain and provide information regarding this Master Contract, including scope and pricing, to eligible Purchasers.
- 4. CONTRACTOR REPRESENTATIONS AND WARRANTIES.** Contractor makes each of the following representations and warranties as of the effective date of this Master Contract and at the time any order is placed pursuant to this Master Contract. If, at the time of any such order, Contractor cannot make such representations and warranties, Contractor shall not process any orders and shall, within three (3) business days notify Enterprise Services, in writing, of such breach.
- 4.1. **QUALIFIED TO DO BUSINESS.** Contractor represents and warrants that it is in good standing and qualified to do business in the State of Washington, that it possesses and shall keep current all required licenses and/or approvals, and that it is current, in full compliance, and has paid all applicable taxes owed to the State of Washington.

- 4.2. **SUSPENSION & DEBARMENT.** Contractor represents and warrants that neither it nor its principals or affiliates presently are debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in any governmental contract by any governmental department or agency within the United States.
- 4.3. **WAGE VIOLATIONS.** Contractor represents and warrants that, during the term of this Master Contract and the three (3) year period immediately preceding the award of the Master Contract, it is not determined, by a final and binding citation and notice of assessment issued by the Washington Department of Labor and Industries or through a civil judgment entered by a court of limited or general jurisdiction, to be in willful violation of any provision of Washington state wage laws set forth in RCW chapters 49.46, 49.48, or 49.52.
- 4.4. **PAY EQUALITY.** Contractor represents and warrants that, as required by Washington state law (Laws of 2017, Chap. 1, § 147), during the term of this Master Contract, it agrees to equality among its workers by ensuring similarly employed individuals are compensated as equals. For purposes of this provision, employees are similarly employed if the individuals work for the same employer, the performance of the job requires comparable skill, effort, and responsibility, and the jobs are performed under similar working conditions. Job titles alone are not determinative of whether employees are similarly employed. Contractor may allow differentials in compensation for its workers based in good faith on any of the following: a seniority system; a merit system; a system that measures earnings by quantity or quality of production; a bona fide job-related factor or factors; or a bona fide regional difference in compensation levels. A bona fide job-related factor or factors may include, but not be limited to, education, training, or experience, that is: consistent with business necessity; not based on or derived from a gender-based differential; and accounts for the entire differential. A bona fide regional difference in compensation level must be consistent with business necessity; not based on or derived from a gender-based differential; and account for the entire differential. Notwithstanding any provision to the contrary, upon breach of warranty and Contractor's failure to provide satisfactory evidence of compliance within thirty (30) days, Enterprise Services may suspend or terminate this Master Contract and any Purchaser hereunder similarly may suspend or terminate its use of the Master Contract and/or any agreement entered into pursuant to the Master Contract.
- 4.5. **EXECUTIVE ORDER 18-03 WORKERS' RIGHTS (MANDATORY INDIVIDUAL ARBITRATION).** Contractor represents and warrants, as previously certified in Contractor's bid submission, that Contractor does NOT require its employees, as a condition of employment, to sign or agree to mandatory individual arbitration clauses or class or collective action waivers. Contractor further represents and warrants that, during the term of this Master Contract, Contractor shall not, as a condition of employment, require its employees to sign or agree to mandatory individual arbitration clauses or class or collective action waivers.
- 4.6. **QUALITY OF GOODS.** Contractor represents and warrants that any goods sold pursuant to this Master Contract shall be merchantable, shall conform to this Master Contract and Purchaser's Purchase Order, shall be fit and safe for the intended purposes, shall be free from defects in materials and workmanship, and shall be produced and delivered in full compliance with applicable law. Contractor further represents and warrants it has clear title to the goods and that the same shall be delivered free of liens and encumbrances and that the same do not infringe any third party patent. Upon breach of warranty, Contractor will repair or replace (at no charge to Purchaser) any goods whose nonconformance is discovered and made known to the Contractor. If, in Purchaser's judgment, repair or replacement is inadequate, or fails of its essential purpose, Contractor will refund the full amount of any payments that have been made.

The rights and remedies of the parties under this warranty are in addition to any other rights and remedies of the parties provided by law or equity, including, without limitation, actual damages, and, as applicable and awarded under the law, to a prevailing party, reasonable attorneys' fees and costs.

- 4.7. **AUTHORIZED DEALER.** Contractor represents and warrants that it is an authorized product reseller for the goods and that it shall maintain its authorized product reseller status for the Term of this Master Contract. Upon request by Enterprise Services, Contractor shall provide evidence of its status as an authorized product reseller.
 - 4.8. **PROCUREMENT ETHICS & PROHIBITION ON GIFTS.** Contractor represents and warrants that it complies fully with all applicable procurement ethics restrictions including, but not limited to, restrictions against Contractor providing gifts or anything of economic value, directly or indirectly, to Purchasers' employees.
 - 4.9. **WASHINGTON'S ELECTRONIC BUSINESS SOLUTION (WEBS).** Contractor represents and warrants that it is registered in Washington's Electronic Business Solution (WEBS), Washington's contract registration system and that, all of its information therein is current and accurate and that throughout the term of this Master Contract, Contractor shall maintain an accurate profile in WEBS.
 - 4.10. **STATEWIDE PAYEE DESK.** Contractor represents and warrants that it is registered with the Statewide Payee Desk, which registration is a condition to payment.
 - 4.11. **MASTER CONTRACT PROMOTION; ADVERTISING AND ENDORSEMENT.** Contractor represents and warrants that it shall use commercially reasonable efforts both to promote and market the use of this Master Contract with eligible Purchasers and to ensure that those entities that utilize this Master Contract are eligible Purchasers. Contractor understands and acknowledges that neither Enterprise Services nor Purchasers are endorsing Contractor's goods or suggesting that such goods are the best or only solution to their needs. Accordingly, Contractor represents and warrants that it shall make no reference to Enterprise Services, any Purchaser, or the State of Washington in any promotional material without the prior written consent of Enterprise Services.
 - 4.12. **MASTER CONTRACT TRANSITION.** Contractor represents and warrants that, in the event this Master Contract or a similar contract, is transitioned to another contractor (e.g., Master Contract expiration or termination), Contractor shall use commercially reasonable efforts to assist Enterprise Services for a period of sixty (60) days to effectuate a smooth transition to another contractor to minimize disruption of service and/or costs to the State of Washington.
- 5. USING THE MASTER CONTRACT – PURCHASES.**
- 5.1. **ORDERING REQUIREMENTS.** Eligible Purchasers shall order goods from this Master Contract, consistent with the terms hereof and by using any ordering mechanism agreeable both to Contractor and Purchaser but, at a minimum, including the use of a purchase order. When practicable, Contractor and Purchaser also shall use telephone orders, email orders, web-based orders, and similar procurement methods (collectively "Purchaser Order"). All order documents must reference the Master Contract number.
 - 5.2. **DELIVERY REQUIREMENTS.** Contractor must ensure that delivery of goods will be made as required by this Master Contract, the Purchase Order used by Purchasers, or as otherwise mutually agreed in writing between the Purchaser and Contractor. The following apply to all deliveries:

- (a) Contractor shall make all deliveries to the applicable delivery location specified in the Purchase Order. Such deliveries shall occur during Purchaser's normal work hours and within the time period mutually agreed in writing between Purchaser and Contractor at the time of order placement.
- (b) Contractor shall ship all goods purchased pursuant to this Master Contract, freight charges prepaid by Contractor for orders under 50 lbs., FOB Purchaser's specified destination. Contractor shall bear all risk of loss, damage, or destruction of the goods ordered hereunder that occurs prior to delivery, except loss or damage attributable to Purchaser's fault or negligence.
- (c) All packing lists, packages, instruction manuals, correspondence, shipping notices, shipping containers, and other written materials associated with this Master Contract shall be identified by the Master Contract number set forth on the cover of this Master Contract and the applicable Purchaser's Purchase Order number. Packing lists shall be enclosed with each shipment and clearly identify all contents and any backorders.

5.3. RECEIPT AND INSPECTION OF GOODS. Goods purchased under this Master Contract are subject to Purchaser's reasonable inspection, testing, and approval at Purchaser's destination. Purchaser reserves the right to reject and refuse acceptance of goods that are not in accordance with this Master Contract and Purchaser's Purchase Order. Purchaser may charge Contractor for the cost of inspecting rejected goods. If there are any apparent defects in the goods at the time of delivery, Purchaser promptly will notify Contractor. At Purchaser's option, and without limiting any other rights, Purchaser may require Contractor to repair or replace, at Contractor's expense, any or all of the damaged goods or, at Purchaser's option, Purchaser may note any damage to the goods on the receiving report, decline acceptance, and deduct the cost of rejected goods from final payment. Payment for any goods under such Purchase Order shall not be deemed acceptance of the goods.

5.4. ON SITE REQUIREMENTS. While on Purchaser's premises, Contractor, its agents, employees, or subcontractors shall comply, in all respects, with Purchaser's physical, fire, access, or other security requirements.

6. INVOICING & PAYMENT.

6.1. CONTRACTOR INVOICE. Contractor shall submit to Purchaser's designated invoicing contact properly itemized invoices. Such invoices shall itemize the following:

- (a) Master Contract No. 00418
- (b) Contractor name, address, telephone number, and email address for billing issues (i.e., Contractor Customer Service Representative)
- (c) Contractor's Federal Tax Identification Number
- (d) Date(s) of delivery
- (e) Invoice amount; and
- (f) Payment terms, including any available prompt payment discounts.

Contractor's invoices for payment shall reflect accurate Master Contract prices. Invoices will not be processed for payment until receipt of a complete invoice as specified herein.

- 6.2. **PAYMENT.** Payment is the sole responsibility of, and will be made by, the Purchaser. Payment is due within thirty (30) days of invoice. If Purchaser fails to make timely payment(s), Contractor may invoice Purchaser in the amount of one percent (1%) per month on the amount overdue or a minimum of \$1. Payment will not be considered late if a check or warrant is mailed within the time specified.
- 6.3. **OVERPAYMENTS.** Contractor promptly shall refund to Purchaser the full amount of any erroneous payment or overpayment. Such refunds shall occur within thirty (30) days of written notice to Contractor; *Provided*, however, that Purchaser shall have the right to elect to have either direct payments or written credit memos issued. If Contractor fails to make timely payment(s) or issuance of such credit memos, Purchaser may impose a one percent (1%) per month on the amount overdue thirty (30) days after notice to the Contractor.
- 6.4. **NO ADVANCE PAYMENT.** No advance payments shall be made for any products furnished by Contractor pursuant to this Master Contract.
- 6.5. **NO ADDITIONAL CHARGES.** Unless otherwise specified herein, Contractor shall not include or impose any additional charges including, but not limited to, charges for shipping, handling, or payment processing.
- 6.6. **TAXES/FEES.** Contractor promptly shall pay all applicable taxes on its operations and activities pertaining to this Master Contract. Failure to do so shall constitute breach of this Master Contract. Unless otherwise agreed, Purchaser shall pay applicable sales tax imposed by the State of Washington on purchased goods. Contractor, however, shall not make any charge for federal excise taxes and Purchaser agrees to furnish Contractor with an exemption certificate where appropriate.

7. CONTRACT MANAGEMENT.

- 7.1. **CONTRACT ADMINISTRATION & NOTICES.** Except for legal notices, the parties hereby designate the following contract administrators as the respective single points of contact for purposes of this Master Contract. Enterprise Services' contract administrator shall provide Master Contract oversight. Contractor's contract administrator shall be Contractor's principal contact for business activities under this Master Contract. The parties may change contractor administrators by written notice as set forth below.

Any notices required or desired shall be in writing and sent by U.S. mail, postage prepaid, or sent via email, and shall be sent to the respective addressee at the respective address or email address set forth below or to such other address or email address as the parties may specify in writing:

Enterprise Services

Attn: Keegan Barnes
 Washington Dept. of Enterprise Services
 PO Box 41411
 Olympia, WA 98504-1411
 Tel: (360) 407-7972
 Email: keegan.barnes@des.wa.gov

Contractor

Attn: Dan Domanowski
 Total Filtration Services, Inc.
 4510 "B" Street NW, Suite C
 Auburn, WA 98001
 Tel: (517) 303-0980
 Email: dan.domanowski@tfsi1.com

Notices shall be deemed effective upon the earlier of receipt, if mailed, or, if emailed, upon transmission to the designated email address of said addressee.

- 7.2. **CONTRACTOR CUSTOMER SERVICE REPRESENTATIVE.** Contractor shall designate a customer service representative (and inform Enterprise Services of the same) who shall be responsible for addressing Purchaser issues pertaining to this Master Contract.
- 7.3. **LEGAL NOTICES.** Any legal notices required or desired shall be in writing and delivered by U.S. certified mail, return receipt requested, postage prepaid, or sent via email, and shall be sent to the respective addressee at the respective address or email address set forth below or to such other address or email address as the parties may specify in writing:

Enterprise Services	Contractor
Attn: Legal Services Manager	Attn: Jon Jolley
Washington Dept. of Enterprise Services	Total Filtration Services, Inc.
PO Box 41411	4510 "B" Street NW, Suite C
Olympia, WA 98504-1411	Auburn, WA 98001
Email: greg.tolbert@des.wa.gov	Email: jon.jolley@tfsi1.com

Notices shall be deemed effective upon the earlier of receipt when delivered, or, if mailed, upon return receipt, or, if emailed, upon transmission to the designated email address of said addressee.

8. Contractor Sales Reporting; Vendor Management Fee; & Contractor Reports.

- 8.1. **MASTER CONTRACT SALES REPORTING.** Contractor shall report total Master Contract sales quarterly to Enterprise Services, as set forth below.
- (a) **Master Contract Sales Reporting System.** Contractor shall report quarterly Master Contract sales in Enterprise Services' Master Contract Sales Reporting System. Enterprise Services will provide Contractor with a login password and a vendor number. The password and vendor number will be provided to the Sales Reporting Representative(s) listed on Contractor's Bidder Profile.
 - (b) **Data.** Each sales report must identify every authorized Purchaser by name as it is known to Enterprise Services and its total combined sales amount invoiced during the reporting period (i.e., sales of an entire agency or political subdivision, not its individual subsections). The "Miscellaneous" option may be used only with prior approval by Enterprise Services. Upon request, Contractor shall provide contact information for all authorized purchasers specified herein during the term of the Master Contract. If there are no Master Contract sales during the reporting period, Contractor must report zero sales.
 - (c) **Due dates for Master Contract Sales Reporting.** Quarterly Master Contract Sales Reports must be submitted electronically by the following deadlines for all sales invoiced during the applicable calendar quarter.
- 8.2. **VENDOR MANAGEMENT FEE.** Contractor shall pay to Enterprise Services a vendor management fee ("VMF") of 1.50 percent on the purchase price for all Master Contract sales (the purchase price is the total invoice price less applicable sales tax).
- (a) The sum owed by Contractor to Enterprise Services as a result of the VMF is calculated as follows:

Amount owed to Enterprise Services = Total Master Contract sales invoiced (not including sales tax) x .0150.

- (b) The VMF must be rolled into Contractor's current pricing. The VMF must not be shown as a separate line item on any invoice unless specifically requested and approved by Enterprise Services.
- (c) Enterprise Services will invoice Contractor quarterly based on Master Contract sales reported by Contractor. Contractors are not to remit payment until they receive an invoice from Enterprise Services. Contractor's VMF payment to Enterprise Services must reference this Master Contract number, work request number (if applicable), the year and quarter for which the VMF is being remitted, and the Contractor's name as set forth in this Master Contract, if not already included on the face of the check.
- (d) Failure to accurately report total net sales, to submit a timely usage report, or remit timely payment of the VMF, may be cause for Master Contract termination or the exercise of other remedies provided by law. Without limiting any other available remedies, the Parties agree that Contractor's failure to remit to Enterprise Services timely payment of the VMF shall obligate Contractor to pay to Enterprise Services, to offset the administrative and transaction costs incurred by the State to identify, process, and collect such sums. The sum of \$200.00 or twenty-five percent (25%) of the outstanding amount, whichever is greater, or the maximum allowed by law, if less.
- (e) Enterprise Services reserves the right, upon thirty (30) days advance written notice, to increase, reduce, or eliminate the VMF for subsequent purchases, and reserves the right to renegotiate Master Contract pricing with Contractor when any subsequent adjustment of the VMF might justify a change in pricing.

8.3. ANNUAL MASTER CONTRACT SALES REPORT. Contractor shall provide to Enterprise Services a detailed annual Master Contract sales report. Such report shall include, at a minimum: Product description, part number or other Product identifier, per unit quantities sold, and Master Contract price. This report must be provided in an electronic format that can be read by MS Excel.

8.4. SMALL BUSINESS INCLUSION. Upon Request by Enterprise Services, Contractor shall provide, within thirty (30) days, an Affidavit of Amounts Paid. Such Affidavit of Amounts Paid either shall state, if applicable, that Contractor still maintains its MWBE certification or state that its subcontractor(s) still maintain(s) its/their MWBE certification(s) and specify the amounts paid to each certified MWBE subcontractor under this Master Contract. Contractor shall maintain records supporting the Affidavit of Amounts Paid in accordance with this Master Contract's records retention requirements.

9. RECORDS RETENTION & AUDITS.

9.1. RECORDS RETENTION. Contractor shall maintain books, records, documents, and other evidence pertaining to this Master Contract and orders placed by Purchasers under it to the extent and in such detail as shall adequately reflect performance and administration of payments and fees. Contractor shall retain such records for a period of six (6) years following expiration or termination of this Master Contract or final payment for any order placed by a Purchaser against this Master Contract, whichever is later; *Provided*, however, that if any litigation, claim, or audit is commenced prior to the expiration of this period, such period shall extend until all such litigation, claims, or audits have been resolved.

- 9.2. **AUDIT.** Enterprise Services reserves the right to audit, or have a designated third party audit, applicable records to ensure that Contractor has properly invoiced Purchasers and that Contractor has paid all applicable contract management fees. Accordingly, Contractor shall permit Enterprise Services, any Purchaser, and any other duly authorized agent of a governmental agency, to audit, inspect, examine, copy and/or transcribe Contractor's books, documents, papers and records directly pertinent to this Master Contract or orders placed by a Purchaser under it for the purpose of making audits, examinations, excerpts, and transcriptions. This right shall survive for a period of six (6) years following expiration or termination of this Master Contract or final payment for any order placed by a Purchaser against this Master Contract, whichever is later; *Provided*, however, that if any litigation, claim, or audit is commenced prior to the expiration of this period, such period shall extend until all such litigation, claims, or audits have been resolved.
- 9.3. **OVERPAYMENT OF PURCHASES OR UNDERPAYMENT OF FEES.** Without limiting any other remedy available to any Purchaser, Contractor shall (a) reimburse Purchasers for any overpayments inconsistent with the terms of this Master Contract or orders, at a rate of 125% of such overpayments, found as a result of the examination of the Contractor's records; and (b) reimburse Enterprise Services for any underpayment of fees, at a rate of 125% of such fees found as a result of the examination of the Contractor's records (e.g., if Contractor underpays the Vendor Management Fee by \$500, Contractor would be required to pay to Enterprise Services $\$500 \times 1.25 = \625).

10. INSURANCE.

- 10.1. **REQUIRED INSURANCE.** During the Term of this Master Contract, Contractor, at its expense, shall maintain in full force and effect the insurance coverages set forth in *Exhibit C – Insurance Requirements*.
- 10.2. **WORKERS COMPENSATION.** Contractor shall comply with applicable workers compensation statutes and regulations (e.g., RCW Title 51, Industrial Insurance). If Contractor fails to provide industrial insurance coverage or fails to pay premiums or penalties on behalf of its employees as may be required by law, Enterprise Services may terminate this Master Contract. This provision does not waive any of the Washington State Department of Labor and Industries (L&I) rights to collect from Contractor. In addition, Contractor waives its immunity under RCW Title 51 to the extent it is required to indemnify, defend, and hold harmless the State of Washington and its agencies, officials, agents, or employees.

11. CLAIMS.

- 11.1. **ASSUMPTION OF RISKS; CLAIMS BETWEEN THE PARTIES.** Contractor assumes sole responsibility and all risks of personal injury or property damage to itself and its employees, agents, and Contractors in connection with Contractor's operations under this Master Contract. Enterprise Services has made no representations regarding any factor affecting Contractor's risks. Contractor shall pay for all damage to any Purchaser's property resulting directly or indirectly from its acts or omissions under this Master Contract, even if not attributable to negligence by Contractor or its agents.
- 11.2. **THIRD-PARTY CLAIMS; INDEMNITY.** To the fullest extent permitted by law, Contractor shall defend, indemnify, and hold harmless Enterprise Services and any Purchaser and their employees and agents from and against all claims, demands, judgments, assessments, damages, penalties, fines, costs, liabilities or losses including, without limitation, sums paid in settlement of claims, attorneys' fees, consultant fees, and expert fees (collectively "claims") arising from any act or

omission of Contractor or its successors, agents, and subcontractors under this Master Contract, except claims caused solely by Enterprise Services or any Purchasers' negligence. Contractor shall take all steps needed to keep Purchaser's property free of liens arising from Contractor's activities, and promptly obtain or bond the release of any such liens that may be filed.

12. DISPUTE RESOLUTION.

12.1. The parties shall cooperate to resolve any dispute pertaining to this Master Contract efficiently, as timely as practicable, and at the lowest possible level with authority to resolve such dispute. If, however, a dispute persists and cannot be resolved, it may be escalated within each organization. In such situation, upon notice by either party, each party, within five (5) business days shall reduce its description of the dispute to writing and deliver it to the other party. The receiving party then shall have three (3) business days to review and respond in writing. In the event that the parties cannot then agree on a resolution of the dispute, the parties shall schedule a conference between the respective senior manager of each organization to attempt to resolve the dispute. In the event the parties cannot agree, either party may resort to court to resolve the dispute.

13. SUSPENSION & TERMINATION; REMEDIES.

13.1. **SUSPENSION & TERMINATION FOR DEFAULT.** Enterprise Services may suspend Contractor's operations under this Master Contract immediately by written cure notice of any default. Suspension shall continue until the default is remedied to Enterprise Services' reasonable satisfaction; *Provided*, however, that, if after thirty (30) days from such a suspension notice, Contractor remains in default, Enterprise Services may terminate Contractor's rights under this Master Contract. All of Contractor's obligations to Enterprise Services and Purchasers survive termination of Contractor's rights under this Master Contract, until such obligations have been fulfilled.

13.2. **DEFAULT.** Each of the following events shall constitute default of this Master Contract by Contractor:

- (a) Contractor fails to perform or comply with any of the terms or conditions of this Master Contract including, but not limited to, Contractor's obligation to pay contract management fees when due;
- (b) Contractor breaches any representation or warranty provided herein; or
- (c) Contractor enters into proceedings relating to bankruptcy, whether voluntary or involuntary.

13.3. **REMEDIES FOR DEFAULT.**

- (a) Enterprise Services' rights to suspend and terminate Contractor's rights under this Master Contract are in addition to all other available remedies.
- (b) In the event of termination for default, Enterprise Services may exercise any remedy provided by law including, without limitation, the right to procure for all Purchasers replacement goods. In such event, Contractor shall be liable to Enterprise Services for damages as authorized by law including, but not limited to, any price difference between the Master Contract price and the replacement or cover price as well as any administrative and/or transaction costs directly related to such replacement procurement – e.g., the cost of the competitive procurement.

13.4. LIMITATION ON DAMAGES. Notwithstanding any provision to the contrary, the parties agree that in no event shall any party or Purchaser be liable to the other for exemplary or punitive damages.

13.5. GOVERNMENTAL TERMINATION.

(a) Termination for Withdrawal of Authority. Enterprise Services may suspend or terminate this Master Contract if, during the term hereof, Enterprise Services' procurement authority is withdrawn, reduced, or limited such that Enterprise Services, in its judgment, would lack authority to enter into this Master Contract; *Provided*, however, that such suspension or termination for withdrawal of authority shall only be effective upon twenty (20) days prior written notice; and *Provided further*, that such suspension or termination for withdrawal of authority shall not relieve any Purchaser from payment for goods already ordered as of the effective date of such notice. Except as stated in this provision, in the event of such suspension or termination for withdrawal of authority, neither Enterprise Services nor any Purchaser shall have any obligation or liability to Contractor.

(b) Termination for Convenience. Enterprise Services, for convenience, may terminate this Master Contract; *Provided*, however, that such termination for convenience must, in Enterprise Services' judgment, be in the best interest of the State of Washington; and *Provided further*, that such termination for convenience shall only be effective upon sixty (60) days prior written notice; and *Provided further*, that such termination for convenience shall not relieve any Purchaser from payment for goods already ordered as of the effective date of such notice. Except as stated in this provision, in the event of such termination for convenience, neither Enterprise Services nor any Purchaser shall have any obligation or liability to Contractor.

13.6. TERMINATION PROCEDURE. Regardless of basis, in the event of suspension or termination (in full or in part), the parties shall cooperate to ensure an orderly and efficient suspension or termination. Accordingly, Contractor shall deliver to Purchasers all goods that are complete (or with approval from Enterprise Services, substantially complete) and Purchasers shall inspect, accept, and pay for the same in accordance with this Master Contract and the applicable Purchase Order. Unless directed by Enterprise Services to the contrary, Contractor shall not process any orders after notice of suspension or termination inconsistent therewith.

14. GENERAL PROVISIONS.

14.1. TIME IS OF THE ESSENCE. Time is of the essence for each and every provision of this Master Contract.

14.2. COMPLIANCE WITH LAW. Contractor shall comply with all applicable law.

14.3. INTEGRATED AGREEMENT. This Master Contract constitutes the entire agreement and understanding of the parties with respect to the subject matter and supersedes all prior negotiations, representations, and understandings between them. There are no representations or understandings of any kind not set forth herein.

14.4. AMENDMENT OR MODIFICATION. Except as set forth herein, this Master Contract may not be amended or modified except in writing and signed by a duly authorized representative of each party hereto.

14.5. AUTHORITY. Each party to this Master Contract, and each individual signing on behalf of each party, hereby represents and warrants to the other that it has full power and authority to enter into this Master Contract and that its execution, delivery, and performance of this Master

Contract has been fully authorized and approved, and that no further approvals or consents are required to bind such party.


- 14.6. NO AGENCY. The parties agree that no agency, partnership, or joint venture of any kind shall be or is intended to be created by or under this Master Contract. Neither party is an agent of the other party nor authorized to obligate it.
- 14.7. ASSIGNMENTS. Contractor may not assign its rights under this Master Contract without Enterprise Services' prior written consent and Enterprise Services may consider any attempted assignment without such consent to be void; *Provided*, however, that, if Contractor provides written notice to Enterprise Services within thirty (30) days, Contractor may assign its rights under this Master Contract in full to any parent, subsidiary, or affiliate of Contractor that controls or is controlled by or under common control with Contractor, is merged or consolidated with Contractor, or purchases a majority or controlling interest in the ownership or assets of Contractor. Unless otherwise agreed, Contractor guarantees prompt performance of all obligations under this Master Contract notwithstanding any prior assignment of its rights.
- 14.8. BINDING EFFECT; SUCCESSORS & ASSIGNS. This Master Contract shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and assigns.
- 14.9. PUBLIC INFORMATION. This Master Contract and all related documents are subject to public disclosure as required by Washington's Public Records Act, RCW chapter 42.56.
- 14.10. ASSIGNMENT OF ANTITRUST RIGHTS REGARDING PURCHASED GOODS. Contractor irrevocably assigns to Enterprise Services, on behalf of the State of Washington, any claim for relief or cause of action which the Contractor now has or which may accrue to the Contractor in the future by reason of any violation of state or federal antitrust laws in connection with any goods provided in Washington for the purpose of carrying out the Contractor's obligations under this Master Contract, including, at Enterprise Services' option, the right to control any such litigation on such claim for relief or cause of action.
- 14.11. FEDERAL FUNDS. To the extent that any Purchaser uses federal funds to purchase goods pursuant to this Master Contract, such Purchaser shall specify, with its order, any applicable requirement or certification that must be satisfied by Contractor at the time the order is placed or upon delivery.
- 14.12. SEVERABILITY. If any provision of this Master Contract is held to be invalid or unenforceable, such provision shall not affect or invalidate the remainder of this Master Contract, and to this end the provisions of this Master Contract are declared to be severable. If such invalidity becomes known or apparent to the parties, the parties agree to negotiate promptly in good faith in an attempt to amend such provision as nearly as possible to be consistent with the intent of this Master Contract.
- 14.13. WAIVER. Failure of either party to insist upon the strict performance of any of the terms and conditions hereof, or failure to exercise any rights or remedies provided herein or by law, or to notify the other party in the event of breach, shall not release the other party of any of its obligations under this Master Contract, nor shall any purported oral modification or rescission of this Master Contract by either party operate as a waiver of any of the terms hereof. No waiver by either party of any breach, default, or violation of any term, warranty, representation, contract, covenant, right, condition, or provision hereof shall constitute waiver of any subsequent breach, default, or violation of the same or other term, warranty, representation, contract, covenant, right, condition, or provision.

- 14.14. SURVIVAL. All representations, warranties, covenants, agreements, and indemnities set forth in or otherwise made pursuant to this Master Contract shall survive and remain in effect following the expiration or termination of this Master Contract, *Provided*, however, that nothing herein is intended to extend the survival beyond any applicable statute of limitations periods.
- 14.15. GOVERNING LAW. The validity, construction, performance, and enforcement of this Master Contract shall be governed by and construed in accordance with the laws of the State of Washington, without regard to its choice of law rules.
- 14.16. JURISDICTION & VENUE. In the event that any action is brought to enforce any provision of this Master Contract, the parties agree to submit to exclusive jurisdiction in Thurston County Superior Court for the State of Washington and agree that in any such action venue shall lie exclusively at Olympia, Washington.
- 14.17. ATTORNEYS' FEES. Should any legal action or proceeding be commenced by either party in order to enforce this Master Contract or any provision hereof, or in connection with any alleged dispute, breach, default, or misrepresentation in connection with any provision herein contained, the prevailing party shall be entitled to recover reasonable attorneys' fees and costs incurred in connection with such action or proceeding, including costs of pursuing or defending any legal action, including, without limitation, any appeal, discovery, or negotiation and preparation of settlement arrangements, in addition to such other relief as may be granted.
- 14.18. FAIR CONSTRUCTION & INTERPRETATION. The provisions of this Master Contract shall be construed as a whole according to their common meaning and not strictly for or against any party and consistent with the provisions contained herein in order to achieve the objectives and purposes of this Master Contract. Each party hereto and its counsel has reviewed and revised this Master Contract and agrees that the normal rules of construction to the effect that any ambiguities are to be resolved against the drafting party shall not be construed in the interpretation of this Master Contract. Each term and provision of this Master Contract to be performed by either party shall be construed to be both a covenant and a condition.
- 14.19. FURTHER ASSURANCES. In addition to the actions specifically mentioned in this Master Contract, the parties shall each do whatever may reasonably be necessary to accomplish the transactions contemplated in this Master Contract including, without limitation, executing any additional documents reasonably necessary to effectuate the provisions and purposes of this Master Contract.
- 14.20. EXHIBITS. All exhibits referred to herein are deemed to be incorporated in this Master Contract in their entirety.
- 14.21. CAPTIONS & HEADINGS. The captions and headings in this Master Contract are for convenience only and are not intended to, and shall not be construed to, limit, enlarge, or affect the scope or intent of this Master Contract nor the meaning of any provisions hereof.
- 14.22. ELECTRONIC SIGNATURES. A signed copy of this Master Contract or any other ancillary agreement transmitted by facsimile, email, or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original executed copy of this Master Contract or such other ancillary agreement for all purposes.

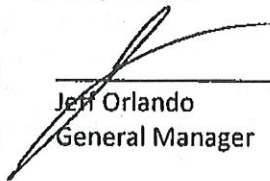
14.23. COUNTERPARTS. This Master Contract may be executed in any number of counterparts, each of which shall be deemed an original and all of which counterparts together shall constitute the same instrument which may be sufficiently evidenced by one counterpart. Execution of this Master Contract at different times and places by the parties shall not affect the validity thereof so long as all the parties hereto execute a counterpart of this Master Contract.

EXECUTED as of the date and year first above written.

STATE OF WASHINGTON
Department of Enterprise Services

By: 
Leslie Edwards
Its: Contracts Specialist

TOTAL FILTRATION SERVICES, INC.,
an Ohio corporation

By: 
Jeff Orlando
Its: General Manager

INCLUDED GOODS/SPECIFICATIONS

Group A – Pleated Filters, Framed Type 1

Performance Characteristics: Filter shall be a pleated media filter and be disposable. Filters consist of a blend of polyester and cotton fibers media or 100% synthetic fibers, media supported and enclosing frame. Filters are a medium efficiency filter type for particulate. Both Standard Capacity and High Capacity filters are to be used in this specification.

The pleat design shall be of the contour, radial type or V shape. The media support grid shall allow an effective open area of 95% of the total surface area. Pleating shall be consistent across filter. The media shall be self-supporting or bonded to a welded wire or an expanded metal support grid bonded on the downstream side of the media. Four-inch deep filters shall be designed with pleat stabilizers. Media shall not vibrate or wave in the airflow. The downstream side of filter shall be supported in such a manner as to insure against product failure.

Media shall be continuously bonded to periphery of the enclosure frame. Media and binders shall be non-shedding. Adhesive shall not allow media to delaminate, buckle excessively or collapse from the pleat support system. Media must retain its pleated shape and spacing during normal commercial service usage.

The enclosing frame shall be constructed of high wet strength die cut Beverage Board or high moisture resistance clay coated Kraft board that will not distort, rack, leak, crack, warp or distort under normal commercial operating conditions.

All filter frames shall be marked with a product identifier such that the manufacturer name/trade mark, product name, actual size, nominal size, filter type and indicated downstream side can be readily ascertained. Filters shall have been tested by Underwriters Laboratory as Class 2, Standard 900 and CAN 4-S111.

Filters shall meet the following performance specifications as tested by ASHRAE 52.2 Standards:

Pleated Air Filter, Group A, Framed Type 1 HIGH CAPACITY				
Category		Rating		
Minimum Efficiency Reporting Value		MERV 8, ASHRAE 52.2		
Average Dust Weight Arrestance		85-90%, ASHRAE 52.2		
Maximum Operating Temperature		225° F or 107 ° C		
Initial Resistance (inches W.G.)		0.22		
Final Resistance (inches W.G.)		1.0		
Dust Holding Capacity, Minimum per 2" Depth Filter		106 grams to 1.0" Final		
Particle Size Efficiency, Minimum		In accordance to ASHRAE 52.2-2007, Table 12-1, Particles in the 3.0-10.0 micron range, 70 ≤E3		
Frame Material Thickness, Minimum		At least 0.022"		
Actual Filter Frame Size Variance		5/8 inches Maximum Variance from Nominal Size dimensions		
Required filter physical characteristics: Nominal filter size is 24 inches' width by 24 inches' height, Moisture resistant. Filter has Galvanized steel expanded metal support grid, 100% Adhesive application, Media pack sealed inside frame, and is based on ASHRAE 52.2.				
The following filter characteristics are provided in acceptable ranges:				
Filter nominal depth (inches)	Minimum pleats per linear foot	Minimum sq. ft. media area per sq. ft. of face area	Rated velocity FPM	Test air flow rate (CFM)
1	12	2.0	300	1200
1	12	2.0	500	2000
2	15	4.1	300	1200
2	15	4.1	500	2000
2	15	4.1	625	2500
4	11	6.67	300	1200
4	11	6.67	500	2000
4	11	6.67	625	2500

Group A – Pleated Filters, Framed Type 2

Performance Characteristics: Filter design is a pleated media filter and is disposable. Filters consist of a blend of polyester and cotton fibers media or 100% synthetic fibers, media supported and enclosing frame. Filters are a medium efficiency filter type for particulate. Both Standard Capacity and High Capacity filters are to be used in this specification.

The pleat design shall be of the contour, radial type or V shape. The media support grid shall allow an effective open area of 95% of the total surface area. Pleating shall be consistent across filter. The media shall be self-supporting or bonded to a welded wire or an expanded metal support grid bonded on the downstream side of the media. Four-inch deep filters shall be designed with pleat stabilizers. Media shall not vibrate or wave in the airflow. The downstream side of filter shall be supported in such a manner as to insure against product failure.

Media shall be continuously bonded to periphery of the enclosure frame. Media and binders shall be non-shedding. Adhesive shall not allow media to delaminate, buckle excessively or collapse from the pleat support system. Media must retain its pleated shape and spacing during normal commercial service usage.

The enclosing frame shall be constructed of high wet strength die cut Beverage Board or high moisture resistance clay coated Kraft board that will not distort, rack, leak, crack, warp or distort under normal commercial operating conditions.

All filter frames shall be marked with a product identifier such that the manufacturer name/trade mark, product name, actual size, nominal size, filter type and indicated downstream side can be readily ascertained. Filters shall have been tested by Underwriters Laboratory as Class 2, Standard 900 and CAN 4-S111.

Filters shall meet the following performance specifications as tested by ASHRAE 52.2 Standards:

Pleated Air Filter, Group A, Framed Type 2 STANDARD CAPACITY				
Category		Rating		
Minimum Efficiency Reporting Value		MERV 8, ASHRAE 52.2		
Average Dust Weight Arrestance		85-90%, ASHRAE 52.2		
Continuous Operating Temperature Limits		150 degrees F. or 66 degrees C., minimum degrees		
Initial Resistance (inches W.G.)		0.21		
Final Resistance (inches W.G.)		1.0		
Dust Holding Capacity, Minimum		87 grams to 1.0" Final		
Particle Size Efficiency, Minimum		In accordance with ASHRAE 52.2-2007, Table 12-1, Particles in the 3.0-10.0 micron range, 70 ≤E3		
Actual Filter Frame Size Variance		5/8 inches Maximum Variance from Nominal Size dimensions		
Required filter physical characteristics: Nominal filter size is 24 inches' width by 24 inches' height, Moisture resistant. Filter has Galvanized steel expanded metal support grid, 100% Adhesive application, Media pack sealed inside frame, and is based on ASHRAE 52.2.				
The following filter characteristics are provided in acceptable ranges:				
Filter nominal depth (inches)	Minimum pleats per linear foot	Minimum sq. ft. media area per sq. ft. of face area	Rated velocity (FPM)	Test air flow rate (CFM)
1	12	2.0	300	1200
1	12	2.0	500	2000
2	10	3.0	300	1200
2	10	3.0	500	2000
2	10	3.0	625	2500
4	9	5.5	300	1200
4	9	5.5	500	2000
4	9	5.5	625	2500

Group B – Ring Panel Multi-Ply Filters

Performance Characteristics: Filters shall consist of multiple layers of media with an internal support wire and consist of 100% synthetic media. Filters are a medium to high efficiency filter type for particulate and disposable.

Filter shall provide a 100% effective media face area. Unitized internal wire frame to eliminate filter collapse and breakdown. The media shall be composed of two or more distinct layers of high loft synthetic media with the most open media on the air entering side transitioning to denser media on the downstream side. The downstream side of filter shall be designed in such a manner as to insure against product failure during normal commercial service usage.

Filter construction shall use a heat sealed and laminated design to eliminate fiber breakdown, unloading and possible contamination carry-over. Media shall be heat sealed or sewn around the entire periphery of the internal wire support and in the center to contain the support. Media shall be moisture resistant and non-shedding. The internal wire support frame shall be made of minimum 9 gauge bright basic or galvanized steel, have cross wire supports and be framed welded at all connections.

The filter shall have pressure-sensitive, “dry” Tackifier applied to the media downstream side or is encapsulated between the last two layers of media. Tackifier shall retain its adhesive characteristics over the life of the filter. Tackifier shall be non-toxic, odorless, non-evaporating, non-allergenic, fungi resistant and non-migrating. No chlorinated paraffin, polybutene, or petroleum based adhesives are allowed. Filter shall be friction-fit or self-sealing to HVAC application.

All filters shall be marked with a product identifier such that the manufacturer name/trade mark, filter model number, product name, actual size, nominal size, filter type, and indicate downstream side can be readily ascertained. Filters shall have been tested by Underwriters Laboratory as Class 2, Standard 900 and CAN 4-S111. Filters shall meet the following performance specifications as tested by ASHRAE 52.2 Standards:

Ring Panel Multi-Ply Air Filter			
Category		Rating	
Minimum Efficiency Reporting Value		MERV 8, ASHRAE 52.2P	
Average Dust Weight Arrestance		90-95%, ASHRAE 52.2	
Continuous Operating Temperature Limits		150 degrees F. or 66 degrees C., minimum	
Final Resistance (inches W.G.)		1.0	
Particle Size Efficiency, Minimum		In accordance with ASHRAE 52.2-2007, Table 12-1, Particles in the 3.0-10.0 micron range, Range 3, MERV 8 is 70≤E3<85 and Range 2 for MERV 10 & 11.	
Actual Filter Size Variance		5/8 inches Maximum Variance from Nominal Size dimensions	
Required filter physical characteristics are as follows: Nominal filter size is 24 inches width by 24 inches height and based on ASHRAE 52.2.			
The following filter characteristics are provided in acceptable ranges:			
MERV Rating	Number of layers	Rated velocity (FPM)	Test air flow rate (CFM)
6	2	300	1200
7	3	500	2000

Group C – Commercial Pad Filters, Framed

Performance Characteristics: Filter media uses a blended multi-denier fibers or multi-layered media creating a depth loading capacity. Filters do have a frame and consist of 100% synthetic media. Filters are a low to medium efficiency filter type for particulate and disposable.

Filters shall be designed for no face loading of particulate matter, with a finer layer on the downstream side to trap particulate matter. A pressure dry Tackifier adhesive shall be applied on downstream and shall retain its adhesive characteristics over the life of the filter. Tackifier shall be non-toxic, odorless, non-evaporating, non-allergenic, fungi resistant and non-migrating. Fibers shall be bonded with a fire retardant resin. The downstream side of filter shall be designed in such a manner as to insure against product failure during normal commercial service usage. Filter materials shall be durable under normal commercial service usage.

All filters shall be marked to indicate downstream side. Filters shall have been tested by Underwriters Laboratory as Class 2, Standard 900 and CAN 4-S111. Resulting performance data and filter physical characteristics must meet the following performance requirements:

Commercial Pad Filter, Framed		
Category	Rating	
Minimum Efficiency Reporting Value	MERV 5	
Average Atmospheric Dust Spot Efficiency	<20%, ASHRAE 52.2	
Average Dust Weight Arrestance	80-85^%, ASHRAE 52.2	
Continuous Operating Temperature Limits	150 degrees F. or 66 degrees C., minimum	
Final Resistance (inches W.G.)	1.0	
Actual Filter Frame Size Variance	5/8 inches Maximum Variance from Nominal Size dimensions	
Required filter physical characteristics are as follows: Nominal filter size is 24 inches width by 24 inches height and based on ASHRAE 52.2.		
The following filter characteristics are provided in acceptable ranges:		
Filter nominal depth (inches)	Rated velocity (FPM)	Test air flow rate (CFM)
1	300	1200
1	500	1200
2	300	1200
2	500	1200

Group D – Commercial Filter, no frame

Performance Characteristics: Filter media uses a blended multi-denier fibers or multi-layered media creating a depth loading capacity. Filters do not have a frame and consist of 100% synthetic media. Filters are a low to medium efficiency filter type for particulate and disposable.

Filters shall be designed for no face loading of particulate matter, with a finer layer on the downstream side to trap particulate matter. All media and any binders shall be non-shedding. A pressure dry Tackifier adhesive shall be applied on downstream and shall retain its adhesive characteristics over the life of the filter. Tackifier shall be non-toxic, odorless, non-evaporating, non-allergenic, fungi resistant and non-migrating. Fibers shall be bonded with a fire retardant resin. The downstream side of filter shall be designed in such a manner as to insure against product failure during normal commercial service usage. Filter materials shall be durable under normal commercial service usage.

All filters shall be marked to indicate downstream side.

Filters shall have been tested by Underwriters Laboratory as Class 2, Standard 900 and CAN 4-S111. Filters shall meet the following performance specifications as tested by ASHRAE 52.1-1992 Standards or ASHRAE 52.2 Standards. Resulting performance data and filter physical characteristics must meet the following performance requirements:

Commercial Filter, No Frame			
Category		Rating	
Average Atmospheric Dust Spot Efficiency		<20% ASHRAE 52.2	
Average Dust Weight Arrestance		80-85%, ASHRAE 52.2	
Continuous Operating Temperature Limits		150 degrees F. or 66 degrees C., minimum	
Final Resistance (inches W.G.)		1.0	
Dust Holding Capacity, Minimum		206 capacity per filter (grams)	
Particle Size Efficiency, Minimum		In accordance to ASHRAE 52.2-2007, Table 12-1, Particles in the 3.0-10.0 micron range, Range 3, E3≤20<35.	
Actual Filter Size Variance		5/8 inches Maximum Variance from Nominal Size dimensions	
Required filter physical characteristics are as follows: Nominal filter size is 24 inches width by 24 inches height and based on ASHRAE 52.2.			
The following filter characteristics are provided in acceptable ranges:			
Filter nominal depth (inches)	Rated velocity (FPM)	Test air flow rate (CFM)	Average Dust Weight Arrestance (Rated %)
1	300	1200	90-95
1	500	2000	80-85
2	300	1200	90-95
2	500	2000	80-85

Group E – Pocket Bag Filters

Performance Characteristics: Pocket filters are multiple pocket supported media designs, with 100% high density synthetic fibers and enclosing frame. Filters shall be designed to provide a multiple dust holding pocket configuration with guaranteed complete pocket inflation in a support frame. Filters are a medium to high efficiency filter type for particulate and disposable.

Media shall consist of layered design of fibers providing a progressively more efficient media matrix. The open filter area shall be greater than 85% of the total face area. The downstream side of filter shall be supported in such a manner as to insure against product failure. Backing material for the downstream side of the filter shall be a high strength material to provide strength and durability. All media and any binders shall be non-shedding.

Pocket construction must be sealed to prevent leakage when the pockets are fully inflated and guaranteed leak proof pocket design. Pockets should be stable in the air stream avoiding sagging and flagging, and should not billow or pillow nor touch adjacent pockets. Pocket media shall be continuously bonded to a metal support frame on the upstream airside pockets must be attached to interlocked support frames, framed with bars of corrosion resistant rolled steel frame, L or J channel shaped to prevent flexing and buckling during full inflation.

Enclosure frame shall be a 28-gauge corrosion resistant metal. Pocket support frames shall be reinforced to eliminate flexing or buckling. Pocket support frame to retain proper passage for airflow and pocket support design in between pockets to retain proper pocket shape and size. Pockets should be supported and retained with screening, sleeve dividers, stitching, or other devices so that they inflate evenly, space uniformly, maintain their shape and available surface area during application. Filters shall not crowd or restrict airflow to ensure full media utilization. All filter frames shall be durable under normal commercial service usage.

The filters shall be available with a header. Filter sizes shall be available with a variety of pocket designs, widths, depths and heights and for most commercial air filtration systems. All filter frames shall be marked with the manufacturer name/trademark, filter model number, product name, actual size, nominal size, and filter type. Filters shall have been tested by Underwriters Laboratory as Class 2, Standard 900 and CAN 4-S111.

Filters shall meet the following performance specifications as tested by ASHRAE 52.2 Standards:

Pocket Bag Filters				
Category		Rating		
Dust Spot Average Efficiency		MERV 11: 60-65%, MERV 13: 80-85%; MERV 14: 90-95%		
Average Dust Weight Arrestance		95-98%		
Continuous Operating Temperature Limits		150 degrees F. or 66 degrees C., minimum		
Final Resistance (inches W.G.)		1.0		
Particle Size Efficiency, Minimum		In accordance to ASHRAE 52.2-2007, Table 12-1, Particles in the 1.0-3.0 micron range, MERV 11= 65≤E2<80, MERV 13 & 14= 90≤E2.		
Actual Filter Frame Size Variance		5/8 inches Maximum Variance from Nominal Size dimensions		
Airflow Capacity, Rated		2000 CFM		
Required filter physical characteristics are as follows: Nominal filter size is 24 inches width by 24 inches height and based on ASHRAE 52.2.				
The following filter characteristics are provided in acceptable ranges:				
Pocket depth (inches)	Pockets per Filter	Rated filter face velocity (FPM)	Media area per square foot	Minimum dust holding capacity for MERV 11 (grams)
21-22	6	375	45-50	199
21-22	8	375	60-66	199
29-30	6	500	64-68	199
29-30	8	500	84-90	199
29-30	10	500	107	199
36	8	500	104-108	199

Group F – Extended Surface Deep Cell Cartridge Filters

Performance Characteristics: Filters shall consist of a deep pleated media pack with corrugated separators and a metal filter frame with glass fibers media or 100% Synthetic fibers. Filter shall be media supported and have an enclosing frame. Filters are a medium to high efficiency filter type for particulate and disposable.

All metal components and internal support components shall be corrosion resistant galvanized steel or a corrosion resistant metal. The filter frame shall be supported with a metal cross bracing applied to the downstream side of the filter frame. The filter frame cell sides and header shall be constructed of 24-28 gauge galvanized steel or corrosion resistant metal. The header is to be a single piece channel that is mechanically interlocked to the cell sides around the entire periphery of the filter to prevent any possibility of dirty air by-pass.

The media shall be made from high density ultra-fine glass fibers or dual stage 100% synthetic fibers formed into a .25" thick filter blanket reinforced with an integral polypropylene backing. The media shall be pleated design using corrugated metal separators that maintain even spacing between each pleat allowing for total unrestricted airflow to the entire media pack. Media and binders shall be non-shedding and be water-resistant. The filters shall be available in single header, double header and non-header models.

Filter sizes shall be available in 6-inch and 12-inch depth designs and variety of widths and heights for most commercial air filtration systems. All filter frames shall be marked with manufacturer name/trademark, filter model number, product name, actual size, nominal size, and filter type. Filters shall have been tested by Underwriters Laboratory as Class 2, Standard 900 and CAN 4-S111.

Filters shall meet the following performance specifications as tested by ASHRAE 52.2 Standards:

Extended Surface Deep Cell Cartridge Filters					
Category		Rating			
Minimum Efficiency Reporting Value		MERV 11, 13, or 14, ASHRAE 52.2P			
Average Dust Weight Arrestance		95-98%			
Continuous Operating Temperature Limits		200 degrees F. or 93 degrees C. to 900 degrees F or 482 degrees C			
Final Resistance (inches W.G.)		1.20			
Dust Holding Capacity, Minimum		199 grams			
Particle Size Efficiency, minimum		In accordance with ASHRAE 52.2-2007, Table 12-1, Particles in the 1.0-3.0 micron range, Range 2, MERV 11 = 65<E2<80, Range 1, MERV 13 = E1<75, & MERV 14=75≤E1<85.			
Actual Filter Frame Size Variance		5/8 inches Maximum Variance from Nominal Size dimensions			
Required filter physical characteristics are as follows: Nominal filter size is 24 inches width by 24 inches height, with no header, and based on ASHRAE 52.2.					
The following filter characteristics are provided in acceptable ranges:					
MERV Rating	Nominal filter depth (inches)	Average atmospheric dust spot efficiency	Gross media area (sq. ft.)	Rated velocity (FPM)	Test air flow rate (CFM)
11	12	60-65%	105	500	2000
13	12	80-90%	105	500	2000
14	12	90-95%	125	500	2000

Group G – Extended Surface Rigid Box Filters

Performance Characteristics: Filters consist of a pleated media pack in a rigid box design with metal cell sides with and glass fibers media or 100% synthetic fibers. Filter shall be media supported and have an enclosing frame Filters are a medium to high efficiency filter type for particulate and disposable.

Filters shall meet the following performance specifications as tested by ASHRAE 52.2 Standards:

Category		Rating			
Average Dust Weight Arrestance		95-98%			
Continuous Operating Temperature Limits		150 degrees F. or 66 degrees C., minimum			
Final Resistance (inches W.G.)		1.50			
Dust Holding Capacity, Minimum		137 to 208 capacity per filter (grams)			
Particle Size Efficiency, Minimum		In accordance with ASHRAE 52.2-2007, Table 12-1, Particles in the 1.0-3.0 micron range, Range 2, MERV 11= 65≤E2<80, Range 1, MERV 13 = E1<75, & MERV 14=75≤E1<85.			
Actual Filter Frame Size Variance		5/8 inches Maximum Variance from Nominal Size dimensions			
Required filter physical characteristics are as follows: Nominal filter size is 24 inches width by 24 inches height with no header, and based on ASHRAE 52.2.					
The following filter characteristics are provided in acceptable ranges:					
MERV Rating	Nominal filter depth (inches)	Average atmospheric dust spot efficiency	Gross media area (sq. ft.)	Rated velocity (FPM)	Test air flow rate (CFM)
11	6	60-65%	29	500	1000
11	12	60-65%	58	500	2000
13	12	80-85%	58	500	2000
14	12	90-95%	58	500	2000

Prices for Goods

The prices for the goods offered in this contract shall be at a discount percentage of 80% off of MSRP.

Insurance Requirements

1. **INSURANCE OBLIGATION.** During the Term of this Master Contract, Contractor obtain and maintain in full force and effect, at Contractor's sole expense, the following insurance coverages:
 - a. **COMMERCIAL GENERAL LIABILITY INSURANCE.** Commercial General Liability Insurance (and, if necessary, commercial umbrella liability insurance) covering Bodily Injury and Property Damage on an 'occurrence form' in the amount of not less than \$2,000,000 per occurrence and \$4,000,000 general aggregate. This coverage shall include Contractual Liability insurance for the indemnity provided under this Master Contract.

The limits of all insurance required to be provided by Contractor shall be no less than the minimum amounts specified. Coverage in the amounts of these minimum limits, however, shall not be construed to relieve Contractor from liability in excess of such limits.

A cross-liability clause or separation of insured condition shall be included in the general liability policy required by this Master Contract.

2. **INSURANCE CARRIER RATING.** Coverages provided by the Contractor must be underwritten by an insurance company deemed acceptable to the State of Washington's Office of Risk Management. Insurance coverage shall be provided by companies authorized to do business within the State of Washington and rated A- Class VII or better in the most recently published edition of Best's Insurance Rating. Enterprise Services reserves the right to reject all or any insurance carrier(s) with an unacceptable financial rating.
3. **ADDITIONAL INSURED.** Except for Works' Compensation, Professional Liability, Personal Automobile Liability, and Pollution Liability Insurance, all required insurance shall include the State of Washington and all authorized Purchasers (and their agents, officers, and employees) as an Additional Insureds evidenced by copy of the Additional Insured Endorsement attached to the Certificate of Insurance on such insurance policies.
4. **CERTIFICATE OF INSURANCE.** Upon request by Enterprise Services, Contractor shall furnish to Enterprise Services, as evidence of the insurance coverage required by this Master Contract, a certificate of insurance satisfactory to Enterprise Services that insurance, in the above-stated kinds and minimum amounts, has been secured. A renewal certificate shall be delivered to Enterprise Services no less than ten (10) days prior to coverage expiration. Failure to provide proof of insurance, as required, will result in contract cancellation. All policies and certificates of insurance shall include the Master Contract number stated on the cover of this Master Contract.
5. **PRIMARY COVERAGE.** Contractor's insurance shall apply as primary and shall not seek contribution from any insurance or self-insurance maintained by, or provided to, the additional insureds listed above including, at a minimum, the State of Washington and/or any Purchaser. All insurance or self-insurance of the State of Washington and/or Purchasers shall be excess of any insurance provided by Contractor or subcontractors.

6. **SUBCONTRACTORS.** Contractor shall include all subcontractors as insureds under all required insurance policies, or shall furnish separate Certificates of Insurance and endorsements for each subcontractor. Each subcontractor must comply fully with all insurance requirements stated herein. Failure of any subcontractor to comply with insurance requirements does not limit Contractor's liability or responsibility.
7. **WAIVER OF SUBROGATION.** Contractor waives all rights of subrogation against the State of Washington and any Purchaser for the recovery of damages to the extent such damages are or would be covered by the insurance specified herein.
8. **NOTICE OF CHANGE OR CANCELLATION.** There shall be no cancellation, material change, exhaustion of aggregate limits, or intent not to renew insurance coverage, either in whole or in part, without at least sixty (60) days prior written Legal Notice by Contractor to Enterprise Services. Failure to provide such notice, as required, shall constitute default by Contractor. Any such written notice shall include the Master Contract number stated on the cover of this Master Contract.